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1952 RAW MATERIALS INPUT PLAN FOR GDR PIG-IRON PRODUCTION

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1952 Raw Materials Input Plan for Blast and Low-Shaft Furnaces
(in 1,000 tons)

Origin of Ore and Other Raw Materials	Total Requirements		Used by Maxhuette (a) Blast Furnaces		Used by Calbe (b) Low-Shaft Furnaces		Used by Fuerstenberg (c) Blast Furnaces		Remarks
	Actual	Fe	Actual	Fe	Actual	Fe	Actual	Fe	
Maxhuette mines	180	60 (33%)	180	60	--	--	--	--	Ten of this from the dump pile. The capacity of the mines is not fully utilized.
Buechenberg (Thueringen)	120	30	--	--	60	15	60	15	
Braunesumpf (Thueringen)	200	60	--	--	--	--	200	60	
Badeleben (Sachsen-Anhalt)	125	30	--	--	125	30	--	--	Includes first run (Vorlauf) at Calbe. Capacity not fully utilized
Tangerniederung and bog iron ore (Sachsen-Anhalt)	20	8	--	--	20	8	--	--	Includes five for gas-works
Schmalkalden, Thueringen	50	20	--	--	--	--	50	20	Selected ore, 40 Fe-Mn
Krivoy Rog	370	185 (50%)	--	--	--	--	370	185	In addition, 30 as raw ore for open-hearth steel mill

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Nikopol' (manganese ore)	60	30	--	--	--	--	60	30	In addition, 60 for Lippendorf for Fe-Mn production
Scrap	200	200	170	170	30	30	--	--	For Calbe, only shavings
Mill scale	50	25	15	8	--	--	35	17	
Roasted pyrites	360	165	60	30	--	--	300	135	Maximum 0.6% Cu, including damp pile ores; /for?/ Maxhuette, only /from?/ Schwarza and Wuenschendorf
Open-hearth slag	150	20	150	20	--	--	--	--	Balance for foundries, machine building
Fine ore from dump pile	85	35	85	35	--	--	--	--	Forge scrap (Schmiedefelder), roasting and raw fine ore for sintering installation of Maxhuette
Limestone	800	7	180	7	120	--	500	--	For Maxhuette, from Camsdorf. For Calbe, from Lodenbleck and Bernburg. For Fuerstenburg, from Ruedersdorf and Bernburg
Total iron input	--	--	--	330	--	83	--	456	Fe surplus above plan at Calbe and Fuerstenburg
Scrap addition in percent not including mill scale (d)	24			51 (e)		83			

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(a) Output: 330,000 tons of pig iron (285,000 tons of Thomas pig, 45,000 tons of foundry pig)

(b) "West" Metallurgical Combine output: 70,000 tons of foundry pig iron

(c) "East" Metallurgical Combine (EKO); output: 440,000 tons of pig iron (390,000 tons of steel pig, 35,000 tons of spiegeleisen, 15,000 tons of foundry pig)

(d) Mill scale constitutes about 30 percent of scrap addition

(e) Percentage is high because of low quality of ore

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